

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Akira MATSUDA et al.**

Group Art Unit: **2831**

Serial No.: **10/719,020**

Examiner: **Unassigned**

Filed: **November 24, 2003**

Confirmation No.: **9168**

For: **PLATING BATH FOR FORMING THIN RESISTANCE LAYER,
METHOD OF FORMATION OF RESISTANCE LAYER, CONDUCTIVE
BASE WITH RESISTANCE LAYER, AND CIRCUIT BOARD MATERIAL
WITH RESISTANCE LAYER**

Attorney Docket No.: **032130**

Customer Number: **38834**

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

March 4, 2004

Sir:

Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached Form PTO-1449. A copy of each listed document is attached.

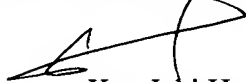
No fee or certification is required in connection with this Information Disclosure Statement, because it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. Applicants respectfully request that the information be expressly considered during the prosecution of this application and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

Information Disclosure Statement
Attorney Docket No. 032130
Serial No. 10/719,020

The Commissioner is authorized to charge our Deposit Account No. 50-2866 for any fee that is required to effect consideration of this statement.

Respectfully submitted,
WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP

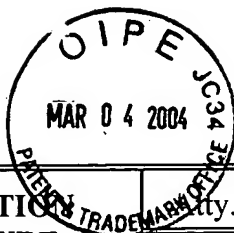


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Enclosures: PTO-1449, 3 references

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INFORMATION DISCLOSURE CITATION PTO-1449	City. Docket No. 032130	Serial No. 10/719,020
	Applicant(s): Akira MATSUDA et al.	
	Filing Date: November 24, 2003	Group Art Unit: 2831

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
_____	AA	3,691,007	Pavlou	09/12/1972	161	213	08/14/1969
_____	AB	3,743,583	Castonguay	07/03/1973	204	27	01/15/1971
_____	AC	3,808,576	Castonguay et al.	04/30/1974	338	309	07/21/1972
_____	AD	3,857,683	Castonguay	12/31/1974	29	195	07/27/1973
_____	AE	3,878,006	Rice	04/15/1975	156	3	10/26/1973
_____	AF	4,808,967	Rice et al.	02/28/1989	338	309	05/29/1985
_____	AG	4,888,574	Rice et al.	12/19/1989	338	309	03/28/1988
_____	AH	4,892,776	Rice	01/09/1990	428	209	09/02/1987
_____	AI	5,336,391	Rice	08/09/1994	205	152	09/21/1992
_____	AJ	5,689,227	Nguyen et al.	11/18/1997	338	308	01/17/1996

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation (Yes or No)
_____	AK	48-73762	10/04/1973	Japan	No, See page 2 in the spec.
_____	AL	63-500133	01/14/1988	Japan	Yes (See the corresponding AF, also abstract of the corresponding PCT application WO8607100 is enclosed), See page 2 in the spec.
_____	AM	54-72468	06/09/1979	Japan	No, See page 2 in the spec.
_____	AN				

OTHER DOCUMENTS

_____	AO	
_____	AP	
Examiner		Date Considered